

Complete fixture consists of: Power Head, Reflector, Deco Kit/Suspension and Deco Disk. Select each separately.

Power Head Finish: Powder Coated Textured Dark Grey or Titanium

Cat. No.	Color	Lamp	Watts	Volts	Options †
4046151	Grey	Incandescent A21	150	120	Not App.
4046151TM	Titanium	Incandescent A21	150	120	Not App.
40471U3	Grey	CFL Triple Tube	26/32/42	120/277	MX1, MX2, DA, E3
40471U3TM	Titanium	CFL Triple Tube	26/32/42	120/277	MX1, MX2, DA, E3
40471T39EU	Gray	CMH T6 G12 Base	39	120/277	N/A
40471T39EUTM	Titanium	CMH T6 G12 Base	39	120/277	N/A

† Remove U or U3 from Cat. No. and add Suffix

Note: For CFL unit with integrated emergency Battery Pack (EM) Option refer to Spec Sheet number P-EM for Cat. No. ordering guide and specification data.

Features

- Reflector:** High purity anodized aluminum, 16 gauge or Pressed colored glass with inner white frit.
- Power Head Housing:** Two-piece extruded aluminum. Removable door allows for ease of installation and servicing. Dark Grey or Titanium baked enamel powder coat finish.
- Suspension:**
Cable/Cord: 1/16" Stainless Steel/SJT 18-3, Grey or Black Cable.
Cable/Coil Cord: 1/16" Stainless Steel/SJT 18-3, Grey or Black Cable.
Suspensions have Grey or Titanium finish canopy with collar fitting to provide for precise height adjustment.
- Aperture Disk:** Glass, Acrylic, or Perforated metal.
- Support Arms:** (3) 3/8" dia. steel tubing brushed and clear lacquered.
- Adjustment:** (3) Fittings allow for height and leveling adjustment after installation.

†† Note: See specification sheet 409DK for more information on disks and arms.

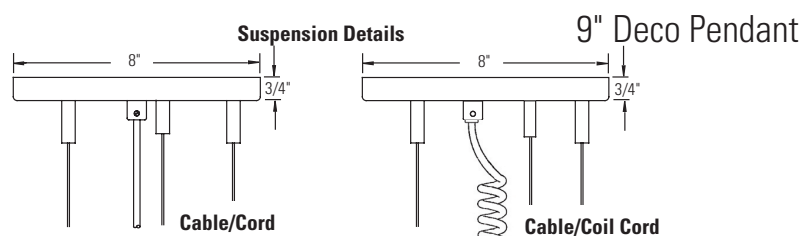
Lamping (by others)

Incandescent: 150W max. A-21

Compact Fluorescent:

General Electric	Osram/Sylvania	Philips
(1) 26W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F26TBX/*A/4P	CF26DT/E/IN/*	PL-T26W/*/4P
(1) 32W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F32TBX/*A/4P	CF32DT/E/IN/*	PL-T32W/*/4P
(-1) 42W Triple Tube 4-Pin (Amalgam) Compact Fluorescent Lamp F42TBX/*A/4P	CF42DT/E/IN/*	PL-T42W/*/4P

*Manufacturers color temperature designation



Deco Kits

††Cat. No.	Color	Description
409DK*	Grey	Deco Cable Assembly Cord/Cable Coil and Cord 120"
409DK5*	Grey	Deco Cable Assembly, 5-wire straight cord, 120" **
409DKTM*	Titanium	Deco Cable Assembly 120"
409DKTM5*	Titanium	Deco Cable Assembly, 5-wire straight cord, 120" **

* Includes Deco Arms, Cord/Cable and Coil Cord 120".

** DALI requires a 5-wire Suspension.

Deco Disks

††Cat. No.	Description
409DG	Glass Deco Disk
409DA	Acrylic Deco Disk
409PM	Perforated Metal Deco Disk

Optional Extension Kits (Used with Deco Suspension Kits)

Cat. No.	Color	Description
404EXT300	Grey	25" Straight Cable/Cord Extension Kit
404EXTB	Black	25" Straight Cable/Cord Extension Kit
404EXT300G5**	Grey	5-wire, 25' Cord/Cable
404EXT300B5**	Black	5-wire, 25' Cord/Cable

**DALI requires a 5-wire Suspension

9" Power Head Options
(add Suffix to Cat. No.)

MX1 = Mark X Dimming
26/32/42W, 120V only*

MX2 = Mark X Dimming
26/32/42W, 277V only*

E3 = 347V (Canada)

DA = DALI (Digital
Addressable lighting
Interface)**

Reflector/Glass Shade

Cat. No.	Description
40411	Semi Specular Anodized Reflector
40413	Satin & Anodized Reflector
409WH	White Glass Shade
409BL	Cobalt Blue Glass Shade
409AB	Amber Glass Shade

* 2-wire, neutral connection required at dimming control.

** 5-wire Suspension Kit required.

Electrical

Lampholders: Incandescent: Medium Base, Porcelain, Nickel-Plated Screw Shell.
Compact Fluorescent: 4-pin, 26/32 watt base: GX24q-3;
42 watt base: GX24q-4.

Ballasts: Fluorescent, Electronic

	26 Watt		32 Watt		42 Watt	
Voltage	120	277	120	277	120	277
Total Input Watts	-26	-26	-36	-36	-47	-47
Max. Line Current (Amps)	.22	.09	.30	.09	.39	.17

Power Factor > 0.98, Ballast Factor 0.98, THD < 10%

Minimum Starting Temperature 0°F

Labels

cULus listed suitable for damp locations.

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

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Application Data

Multiple Units (32W Triple Tube, CFL)			
Spacing on Center	Height to Lighted Plane	Initial Foot-candles	Watts Per Sq. Ft.
6'	6'	41	1.00
	12'	37	
8'	6'	23	0.56
	12'	21	
10'	6'	15	0.36
	12'	13	

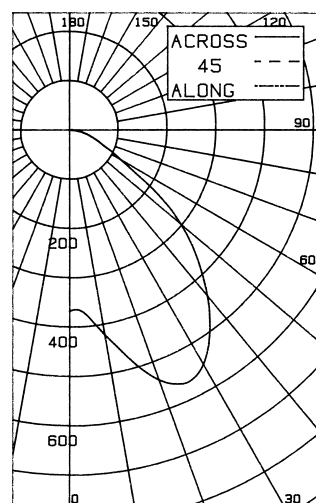
Based on 60" x 60" room with 80% ceiling cavity, 50% wall and 20% floor reflectances. Height is from bottom of fixture to lighted plane.

Spacing Ratio = 1.7

32W Triple Tube CFL

CERTIFIED TEST REPORT NO. 0600FR
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER COMPACT FLUORESCENT PENDANT FIXTURE CAT. #40413
9" DIA. SATIN FINISH REFLECTOR, 12" ETCHED ACRYLIC DISK, 4" APERTURE
1-32W PLT TRIPLE TUBE PHILIPS LAMP. LUMEN RATING = 2400 LMS.
ENERGY SAVINGS BALLAST CAT.#ES-1-CFH42-120G-DIM-E



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	368	
5	375	37
10	423	
15	482	137
20	540	
25	566	257
30	549	
35	502	313
40	439	
45	370	286
50	296	
55	204	185
60	121	
65	80	84
70	58	
75	40	43
80	24	
85	11	14
90	4	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	430	17.93	31.77
0-40	743	30.96	54.86
0-60	1214	50.58	89.62
0-90	1354	56.44	100.00
40-90	611	25.48	45.14
60-90	140	5.86	10.38
90-180	0	.00	.00
0-180	1354	56.44	100.00

TESTED BY:

DATE:
NOV 11, 1998

** EFFICIENCY = 56.4% **

PREPARED FOR:

LIGHTOLIER
FALL RIVER, MA

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

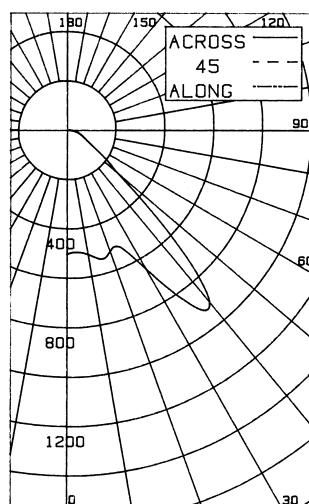
Illuminance (FC) Multipliers	
For Incandescent:	For Compact Fluorescent:
100 Watt = 0.7	26 Watt = 0.7
150 Watt = 1.2	42 Watt = 1.3

Spacing Ratio = 1.9

150W A21 Incandescent

CERTIFIED TEST REPORT NO. 0597FR
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER INCANDESCENT PENDANT FIXTURE CAT. #40413
9" DIA. SATIN FINISH REFLECTOR, 12" ETCHED ACRYLIC DISK, 4" APERTURE
1-150W A21 PHILIPS LAMP. LUMEN RATING = 2800 LMS.



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LUMENS
0	504	
5	496	48
10	513	
15	541	150
20	521	
25	524	257
30	651	
35	845	510
40	907	
45	591	456
50	266	
55	172	161
60	107	
65	81	83
70	64	
75	49	52
80	35	
85	18	21
90	9	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	454	16.24	26.17
0-40	964	34.46	55.52
0-60	1581	56.48	91.01
0-90	1737	62.06	100.00
40-90	772	27.61	44.48
60-90	156	5.58	8.99
90-180	0	.00	.00
0-180	1737	62.06	100.00

DATE:
NOV 10, 1998

** EFFICIENCY = 62.1% **

PREPARED FOR:

LIGHTOLIER
FALL RIVER, MA

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

Coefficients Of Utilization

32W Triple Tube CFL

% EFFECTIVE CEILING CAVITY REFLECTANCE

	80						70						50						30						10						0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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20% FLOOR CAVITY REFLECTANCE

Coefficients Of Utilization

150W A21 Incandescent

% EFFECTIVE CEILING CAVITY REFLECTANCE

	80			70			50			30			10			0
	% WALL REFLECTION															
	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
ROOM CAVITY RATIO	.67	.65	.63	.65	.63	.62	.63	.61	.60	.60	.59	.58	.58	.57	.56	.55
	.60	.57	.54	.59	.56	.53	.57	.54	.52	.55	.53	.51	.53	.51	.50	.49
	.54	.50	.47	.53	.49	.46	.51	.48	.45	.50	.47	.45	.48	.46	.44	.43
	.49	.44	.41	.48	.44	.41	.47	.43	.40	.45	.42	.40	.44	.41	.39	.38
	.44	.39	.36	.43	.39	.36	.42	.38	.35	.41	.38	.35	.40	.37	.34	.33
	.40	.35	.31	.39	.34	.31	.38	.34	.31	.37	.33	.31	.36	.33	.30	.29
	.35	.30	.27	.35	.30	.27	.34	.30	.27	.33	.29	.26	.32	.29	.26	.25
	.32	.27	.23	.31	.26	.23	.30	.26	.23	.30	.26	.23	.29	.25	.23	.22
	.28	.23	.20	.28	.23	.20	.27	.23	.20	.26	.22	.20	.26	.22	.19	.18
	.25	.20	.17	.25	.20	.17	.24	.20	.17	.24	.19	.17	.23	.19	.16	.15
20% FLOOR CAVITY REFLECTANCE																

20% FLOOR CAVITY REFLECTANCE

Job Information

Type:

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Application Data

Multiple Units (32W Triple Tube, CFL)			
Spacing on Center	Height to Lighted Plane	Initial Foot-candles	Watts Per Sq. Ft.
6'	6'	47	1.00
	12'	41	
8'	6'	27	0.56
	12'	23	
10'	6'	17	0.36
	12'	15	

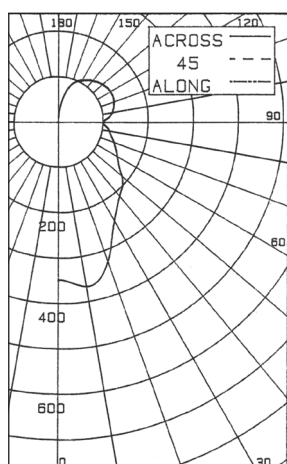
Based on 60" x 60" room with 80% ceiling cavity, 50% wall and 20% floor reflectances. Height is from bottom of fixture to lighted plane.

Spacing Ratio = 1.9

32W Triple Tube CFL

CERTIFIED TEST REPORT NO. 1418FR
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER COMPACT FLUORESCENT PENDANT FIXTURE CAT. #4187U3CCWH
9" DIA. WHITE GLASS REFLECTOR, 12" ETCHED ACRYLIC DISK, 4" APERTURE
1-32W PLT TRIPLE TUBE PHILIPS LAMP. LUMEN RATING = 2400 LMS.
MAGNETEK BALLAST CAT. #C2642UNVSE



PREPARED FOR:
LIGHTOLIER
FALL RIVER, MA
DATE: MAY 8, 2001

CANDLEPOWER SUMMARY					
ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	348		90	99	
5	356	34	95	112	121
10	368		100	122	
15	358	100	105	128	135
20	326		110	132	
25	285	133	115	134	133
30	251		120	134	
35	229	145	125	132	118
40	213		130	129	
45	202	155	135	124	96
50	185		140	118	
55	164	149	145	112	70
60	151		150	106	
65	141	140	155	98	45
70	132		160	88	
75	122	130	165	72	20
80	115		170	48	
85	107	117	175	23	2
90	99		180	10	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	266	11.12	14.48
0-40	411	17.16	22.34
0-60	715	29.83	38.85
0-90	1102	45.94	59.82
40-90	690	28.78	37.48
60-90	386	16.11	20.97
90-180	740	30.85	40.18
0-180	1842	76.79	100.00

** EFFICIENCY = 76.8 **

TESTED ACCORDING TO IES PROCEDURE. TEST DISTANCE EXCEEDS FIVE TIMES
THE GREATEST LUMINOUS OPENING OF LUMINAIRE

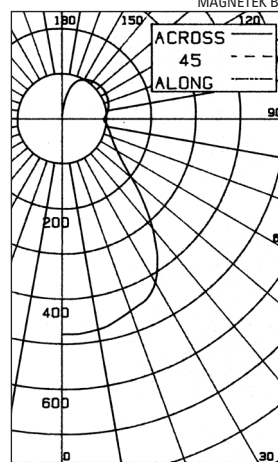
Illuminance (FC) Multipliers	
For Incandescent:	For Compact Fluorescent:
100 Watt = 0.7	26 Watt = 0.7
150 Watt = 1.2	42 Watt = 1.3

Spacing Ratio = 1.9

32W Triple Tube CFL

CERTIFIED TEST REPORT NO. 1415FR
COMPUTED BY LSI PROGRAM **TEST-LITE**

LIGHTOLIER COMPACT FLUORESCENT PENDANT FIXTURE CAT. #4167U3CCBL
9" DIA. BLUE GLASS REFLECTOR
1-32W PLT TRIPLE TUBE PHILIPS LAMP. LUMEN RATING = 2400 LMS.
MAGNETEK BALLAST CAT. #C2642UNVSE



Prepared For:
LIGHTOLIER
FALL RIVER, MA
DATE: MAY 8, 2001

CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS.
0	345	
5	344	33
10	345	
15	344	97
20	341	
25	339	155
30	320	
35	281	175
40	232	
45	180	140
50	130	
55	94	87
60	71	
65	54	55
70	41	
75	28	30
80	18	
85	7	9
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	285	11.88	36.50
0-40	460	19.18	58.91
0-60	687	28.65	87.99
0-90	781	32.56	100.00
40-90	321	13.38	41.09
60-90	93	3.91	12.01
90-180	0	.00	.00
0-180	781	32.56	100.00

** EFFICIENCY = 32.6% **

TESTED ACCORDING TO IES PROCEDURE. TEST DISTANCE EXCEEDS FIVE TIMES
THE GREATEST LUMINOUS OPENING OF LUMINAIRE

Coefficients of Utilization

32W Triple Tube CFL

% EFFECTIVE CEILING CAVITY REFLECTANCE

	80				70				50				30				10				
					% WALL REFLECTION																
ROOM CAVITY RATIO	1	.71	.68	.64	.66	.63	.60	.57	.55	.53	.49	.47	.46	.42	.40	.39	.35				
	2	.62	.56	.52	.57	.53	.49	.50	.46	.43	.43	.40	.37	.36	.34	.32	.29				
	3	.54	.48	.43	.50	.45	.40	.44	.39	.36	.38	.34	.31	.32	.29	.27	.24				
	4	.48	.41	.36	.45	.39	.34	.39	.34	.31	.34	.30	.27	.29	.26	.24	.21				
	5	.42	.36	.31	.40	.34	.30	.35	.30	.26	.30	.26	.23	.26	.23	.20	.18				
	6	.38	.32	.27	.36	.30	.26	.31	.27	.23	.27	.23	.20	.23	.20	.18	.16				
	7	.34	.28	.24	.32	.26	.22	.28	.23	.20	.25	.21	.18	.21	.18	.16	.14				
	8	.31	.25	.21	.29	.24	.20	.26	.21	.18	.23	.19	.16	.19	.16	.14	.12				
	9	.28	.22	.18	.27	.21	.17	.24	.19	.16	.21	.17	.14	.18	.15	.12	.11				
	10	.26	.20	.16	.24	.19	.16	.22	.17	.14	.19	.15	.13	.16	.13	.11	.10				

20% FLOOR CAVITY REFLECTANCE

Job Information

Type:

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710
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